GrandTwin SuperServer SYS-212GT-HNR

2U 4-Node GrandTwin with up to 6 hot-swap 2.5" NVMe drives per node and rear I/O

Key Applications

Scale Out All-Flash NVMe Storage, Scale-Out Object Storage, Web Server, Firewall Application, Data Center Optimized, Value IaaS, Cloud Computing, Compact Server, Virtualization Server (VSAN), Network Function Virtualization, Software Defined Storage, General Purpose, Multi-Purpose CDN, Mission Critical Web Applications,

Key Features

- Compact 2U 4-Node GrandTwin Rear IO with up to 6 hot-swap 2.5 NVMe/SATA drives and 2 OCP3.0 slots per node;
- Dense compute, storage and flexible networking configurations optimized for software-defined storage applications;
- Front access nodes for cold aisle serviceability;
- Single-Socket, Intel® Xeon® 6 6700 series processors with E-cores;
- 16 DIMM Slots supporting up to 1TB of memory; ECC RDIMMs up to DDR5-6400;
- Four hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:;

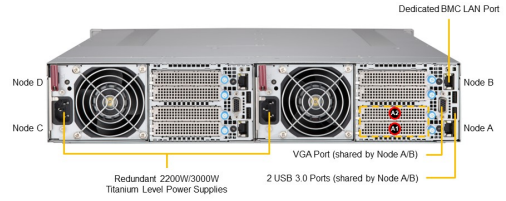|	
Form Factor	2U Rackmount Enclosure: 449 x 88 x 711.2mm (17.67" x 3.46" x 28") Package: 626 x 248 x 1150mm (24.65" x 9.76" x 45.28")
Processor	Single Socket E2 (LGA-4710) Intel® Xeon® 6 6700 series processors with E-cores Up to 144C/144T; Up to 108MB Cache
System Memory	Slot Count: 16 DIMM slots/2 Channels Max Memory (2DPC): Up to 1TB 6400MT/s ECC DDR5 RDIMM
Drive Bays Configuration	Default: Total 6 bay(s) • 6 front hot-swap 2.5" PCIe 5.0 x4 NVMe drive bay(s) M.2: 2 M.2 PCIe 5.0 x4 NVMe slot(s) (M-key 22110(default)/2280; VROC required for RAID)
Expansion Slots	Default • 2 PCIe 5.0 x16 (in x16) AIOM slot(s) (OCP 3.0 compatible)
On-Board Devices	Chipset: System on Chip Network Connectivity: Via IO Module
Input / Output	LAN: 1 RJ45 1 GbE Dedicated BMC LAN port(s) USB: 2 USB 3.0 port(s) Video: 1 VGA port(s)

(Front View – System)

(Rear View – System)

Drive Bay (Node A-D)	Description
0 – 5	6 Hot-swap 2.5" NVMe Drive Bays

Per Node (Node A-D)	Slot Description
A1 A2	PCIe 5.0 x16 AIOM (OCP 3.0)

System Cooling	Fans: 2x 16K RPM Heavy Duty 8cm Fan(s)
Power Supply	2x 2200W Redundant (1 + 1) Titanium Level (96%) power supplies
System BIOS	BIOS Type: AMI 64MB Flash ROM
Management	SuperCloud Composer; Supermicro Server Manager (SSM); Super Diagnostics Offline (SDO); Supermicro Thin-Agent Service (TAS); SuperServer Automation Assistant (SAA) New!
PC Health Monitoring	FAN: Fans with tachometer monitoring 　　　Status monitor for speed control 　　　Pulse Width Modulated (PWM) fan connectors Temperature: Monitoring for CPU and chassis environment CPU: Monitors for CPU Cores, Chipset Voltages, Memory. 　　　8+4 Phase-switching voltage regulator
Dimensions and Weight	Weight: Gross Weight: 88 lbs (39.9 kg) 　　　　Net Weight: 68 lbs (30.8 kg) Available Color: Silver
Operating Environment	RoHS Compliant Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -30°C to 60°C (-22°F to 140°F) Operating Relative Humidity: 8% to 80% (non-condensing) Non-operating Relative Humidity: 8% to 90% (non-condensing)
Motherboard	**Super X14SBT-G**
Chassis	**CSV-GT214BC-R2K21BP**